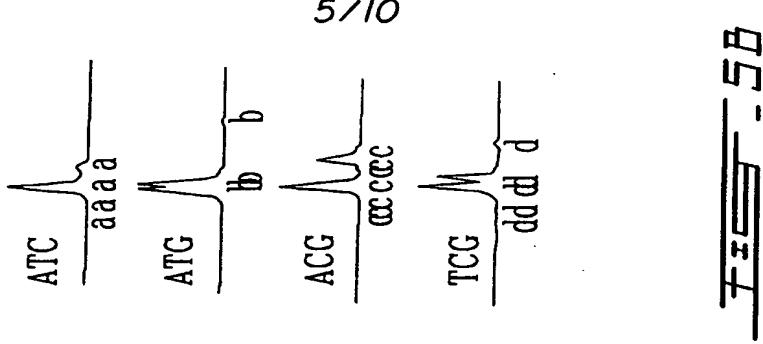


PRIMER-SPECIFIC AND MISPAIR EXTENSION  
ASSAY FOR IDENTIFYING GENE VARIATION  
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Serial No. 09/782,361  
Filed February 13, 2001

dNTPS      Expected base extension

ATC	Primer → T	CAXX	3
ATG	Primer → T	X-XX	1
ACG	Primer → X-X		0
TCG	Primer → T	CX--X	2
WT	-A	GTCCACATCCT-----	(SEQ ID NO: 16)
ATC	Primer → X	X	0
ATG	Primer → G	XX	1
ACG	Primer → G	CAGGX-X	5
TCG	Primer → G	CX--X	2
MU	-C	GTCCACATCCT-----	(SEQ ID NO: 17)



TESE - 5A

TESE - 5B

PRIMER-SPECIFIC AND MISPAIR EXTENSION  
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3'      **XTCATACTAXTCATGAGTATCCTTAGACACCTGTATTTCG** 5'    L63 + PRIMER      (1) (SEQ ID NO:18)  
5'      AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3'    PRO63L (G)-R (SEQ ID NO:19)

**X**

3'      GAGTATCTTAGACACCTGTATTTCG 5'    L63P + PRIMER      (2) (SEQ ID NO:20)  
5'      AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3'    PRO63L (G)-R (SEQ ID NO:21)

**6//O**

3'      **XTCATACTAXTCATGGGTATCTTAGACACCTGTATTTCG** 5'    L63P + PRIMER      (3) (SEQ ID NO:22)  
5'      AGACAGTATGATCAGGTACCCATAGAAATCTGTGGACATAAAGC 3'    PRO63P (G)-R (SEQ ID NO:21)

**X**

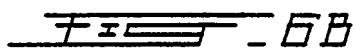
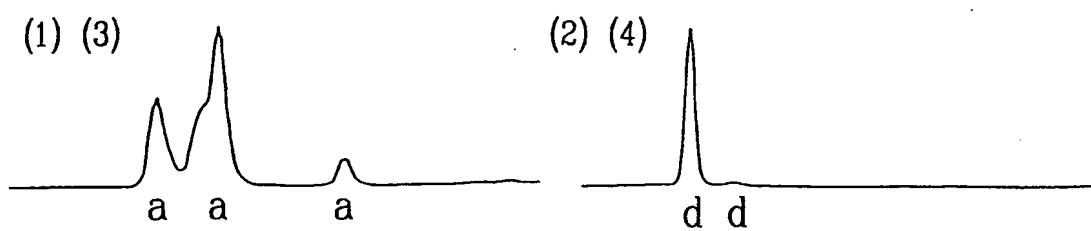
3'      GGGTATCTTAGACACCTGTATTTCG 5'    L63 + PRIMER      (4) (SEQ ID NO:23)  
5'      AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3'    PRO63P (G)-R (SEQ ID NO:19)

**TTC-EA**

PRIMER-SPECIFIC AND MISPAIR EXTENSION  
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PRIMER-SPECIFIC AND MISMATCH EXTENSION  
ASSAY FOR IDENTIFYING GENE VARIATION

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Serial No. 09/782,361  
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3'      **XXAGACTTCTGAGTCTAACCAACGTGAAATTAA** 5' PRO90L-R      (1) (SEQ ID NO:24)  
5'    --AATCTGAAGACTCAGATTGGTTGCACTTAAAT---3'    L90 (SEQ ID NO:25)

X

3'      TTCTGAGTCTAACCAACGTGAAATTAA 5' PRO90L-R      (2) (SEQ ID NO:26)  
5'    --AATCTGATGACTCAGATTGGTTGCACTTAAAT---3'    L90M (SEQ ID NO:27)

5'      CTGTCACATAATTGGAAAGAAATCTGAT**GACCCAGAXX** 3' PRO90M-F      (3) (SEQ ID NO:28)  
3'    --GACAGTTGTATTAAACCTTCTTAGACTACTGCGTCTAA---5' L90M    (SEQ ID NO:29) <sup>8</sup>/<sub>10</sub>

X

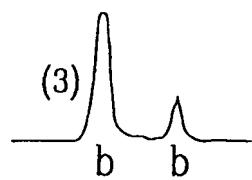
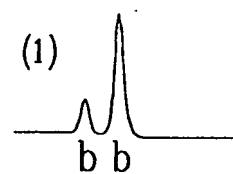
5'      CTGTCACATAATTGGAAAGAAATCTGAT 3' PRO90M-F      (4) (SEQ ID NO:30)  
3'    --GACAGTTGTATTAAACCTTCTTAGACA**CTGAGTCTAA** --5' L90 (SEQ ID NO:31)

T E S T - 7A.

PRIMER-SPECIFIC AND MISPAIR EXTENSION  
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T E S T - 7B

